

## English Translation

Patent No..	Abstract Translation
CN99248529	A washing machine with electro-dissociators which are fixed at the water-entry and water-exit, the electro-dissociator connects with a water-exit with positive ion and a water-exit with negative ion on its separate sides, both of the water-exits above connect to the drum. And the electro-dissociators are powered by the direction current. The utility is simply installed and used, less pollution, saving water.
CN00110127	The electrochemical washing machine includes a barrel and a water container, acting also as two electrodes, an electrochemical mechanism and an electric controller. It has the advantages of making the washing process, which includes the steps of softening water, emulsifying, decomposing oil dirt, rinse, disinfection, softening clothing and sizing, saving in time and cost by means of electrophoresis and electrolysis. The specially electrochemical detergent has low cost, less consumption and less environmental pollution.
CN01139901	A water cleaning system for family is characterized by that a water cleaning device, which is composed of an electric coagulating unit and a magnetic separation unit, is arranged in the water supply pipe of family to remove the hardness components, organic substances and pollutants from water by electrochemical reaction and magnetic adsorption. A washer equipped with said water cleaning system is also disclosed.
CN02106217	An electric washing machine uses electrolytic water. When this electrolytic water reaches a level lower than that after the feed, power feed to an electrolyzer (31) is started. Then, air is fed from an air pump (89) to an electrolytic bath (32) to cause the water to flow in the electrolytic bath (32) thereby to promote an efficient electrolyzation of the water. The electrolytic water produced enhances the washing power to improve the washing performance of the machine.
CN99800057	Washing items are washed simultaneously with softening washing water comprising alkali metal ion and at least one of carbonate ion and bicarbonate ion. The washing water before being softened is obtained by electrolyzing an aqueous solution of sodium hydrogencarbonate having a pH of 9.5 or more and an electric conductivity of 150 mS/m or more. The softened washing water has a total hardness of 40 ppm or less.
CN96243576.7	Electrolyzing apparatus for water treatment is made up with the shell 11, filter 7, trough 14, power-divertor 17, control button 18, there is a three-way tube fixed on the top of the filter 7, one end joint to the tube 6 by the tap water valve 5b, the other one connect with the water-supply device by the reservoir valve 5a and reservoir 2. the utility has its own the water-supply system and reservoir, and is widely used with less astriction to get better electrolyzing water.
CN99211396.2	Washing machine capable of killing bacteria on clothes, have its electrolyzing apparatus powered by the direct current on the shell ,and there is

	also a power-supply on the shell for the apparatus above connecting to the power of the washing machine. After the entrance of the water from the water-entry, the chlorine ion( $\text{Cl}^-$ ) is electrolyzed so that the hypochlorous acid ( $\text{HClO}$ ) comes into being to sterilize. This utility is simply designed and less cost but bring better effect.
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